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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/627,271
	Filing Date	July 25, 2003
	First Named Inventor	Earl A. Hubbell et al.
	Art Unit	1631
	Examiner Name	Pablo S. Whaley
	Attorney Docket Number	3246.2
Total Number of Pages in This Submission		4

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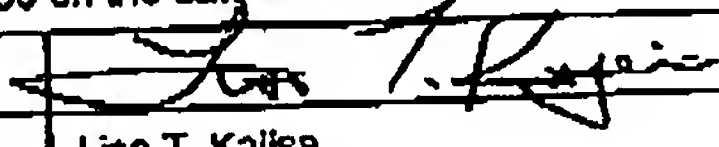
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Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm	Affymetrix, Inc.		
Signature			
Printed Name	Lisa T. Kajisa		
Date		Reg. No.	57,516

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Signature		Date	8/25/06
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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Application No.: 10/627,271

Attorney Docket No. 3246.2/US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant: Earl A. Hubbell

Serial No: 10/627,271

Filing Date: July 25, 2003

Title: Methods, Systems and Computer
Software for Designing and
Synthesizing Sequence Arrays

Examiner: Whaley, Pablo S

Group Art Unit: 1631

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO RESTRICTION REQUIREMENT

Sir:

In response to the July 28, 2006 Restriction Requirement, the Examiner is requiring an election between the following group of claims:

Group I: Claims 1-3 and 22-24 drawn to a computer implemented method and software product for arranging polymers for combinatorial synthesis, classified in class 702, subclass 019. If this Group is elected, then the below summarized specie elections are also required.

Group II: Claims 4-14 and 25-33 drawn to a computer implemented method and software product for arranging polymers for combinatorial synthesis, classified in class 702, subclass 019. If this Group is elected, then the below summarized specie elections are also required.

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Group III: Claims 15-21 and 34-40 drawn to a computer implemented method and software product for arranging polymers for combinatorial synthesis, classified in class 702, subclass 019. If this Group is elected, then the below summarized specie elections are also required.

Applicants hereby elect without traverse of the invention of Group II: claims 4-14 and 25-33. Applicants reserve the right to re-present non-elected claims in a divisional, or other related application.

RESPONSE TO SPECIE ELECTION REQUIREMENT

The Examiner further requires a Species Election Requirement. The Examiner is requiring an election between the following species of polymers in Claims 4 and 25:

- (i) oligonucleotides
- (ii) peptides
- (iii) polysaccharides
- (iv) RNA

Applicants elect species (i) (oligonucleotides) without traverse. Applicants reserve the right to re-present non-elected species in a divisional, or other related application.

Applicants indicate that all claims indicated are readable thereon.

If the Examiner has any questions pertaining to this application or feels that a telephone conference would in any way expedite the prosecution of the application, please do not hesitate to call the undersigned at (408) 731-5000. Applicants respectfully request that a timely Notice of Allowance be issued in this case.

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The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account 01-0431.

Respectfully submitted,

Date: August 25, 2006

Customer No.: 22886

Lisa T. Kajisa Reg. No.: 57,516